

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/017704

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G11B7/26

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G11B7/26

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2002-245692 A (Origin Electric Co., Ltd.), 30 August, 2002 (30.08.02), Full text; all drawings & WO 02/65463 A1 & EP 1298653 A1 & US 2003/104097 A1	1-5
A	JP 64-55758 A (Seiko Epson Corp.), 02 March, 1989 (02.03.89), All drawings (Family: none)	1-5
A	JP 64-52238 A (Seiko Epson Corp.), 28 February, 1989 (28.02.89), All drawings (Family: none)	1-5

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier application or patent but published on or after the international filing date
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 "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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 "&" document member of the same patent family

Date of the actual completion of the international search
15 December, 2004 (15.12.04)

Date of mailing of the international search report
11 January, 2005 (11.01.05)

Name and mailing address of the ISA/
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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2003-502786 A (STEAG HAMATECH AG), 21 January, 2003 (21.01.03), All drawings & WO 00/76752 A1	1-5
A	JP 2002-304783 A (Sony Corp.), 18 October, 2002 (18.10.02), All drawings (Family: none)	1-5
A	JP 2003-36564 A (Sony Corp.), 07 February, 2003 (07.02.03), All drawings (Family: none)	1-5
A	JP 2000-517091 A (WEA Manufacturing, Inc.), 19 December, 2000 (19.12.00), Figs. 3 to 5 & US 5932042 A & WO 98/57806 A1	1-5
A	JP 10-334520 A (Sony Disc Technology Inc.), 18 December, 1998 (18.12.98), All drawings (Family: none)	1-5
A	JP 11-53778 A (Matsushita Electric Industrial Co., Ltd.), 26 February, 1999 (26.02.99), Fig. 3 (Family: none)	1-5
A	JP 2001-250290 A (Matsushita Electric Industrial Co., Ltd.), 14 September, 2001 (14.09.01), Fig. 1 (Family: none)	1-5
A	JP 2001-216692 A (Matsushita Electric Industrial Co., Ltd.), 10 August, 2001 (10.08.01), Figs. 1, 3 (Family: none)	1-5